

**Table 27. Number and percent distribution of nursing home residents by presence or highest stage of pressure ulcers at time of interview according to selected resident characteristics: United States, 2004**

| Characteristic                   | Pressure ulcers <sup>1</sup> |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
|----------------------------------|------------------------------|----------------------|--------------------|----------------------|-------------------------|----------------------|---------|----------------------|----------|----------------------|-----------|----------------------|----------|----------------------|
|                                  | All residents <sup>2</sup>   |                      | No pressure ulcers |                      | Highest stage of ulcers |                      |         |                      |          |                      |           |                      |          |                      |
|                                  |                              |                      |                    |                      | Total                   |                      | Stage I |                      | Stage II |                      | Stage III |                      | Stage IV |                      |
|                                  | Number                       | Percent distribution | Number             | Percent distribution | Number                  | Percent distribution | Number  | Percent distribution | Number   | Percent distribution | Number    | Percent distribution | Number   | Percent distribution |
| All residents . . . . .          | 1,492,200                    | 100.0                | 1,318,600          | 88.4                 | 159,400                 | 10.7                 | 79,100  | 5.3                  | 17,200   | 1.2                  | 24,300    | 1.6                  | *7,400   | *0.5                 |
| Age <sup>3</sup>                 |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Under 65 years . . . . .         | 174,900                      | 100.0                | 149,500            | 85.5                 | 23,900                  | 13.7                 | 10,500  | 6.0                  | *        | *                    | *7,000    | *4.0                 | *        | *                    |
| 65 years and older . . . . .     | 1,317,300                    | 100.0                | 1,169,100          | 88.8                 | 135,500                 | 10.3                 | 68,600  | 5.2                  | 14,200   | 1.1                  | 17,300    | 1.3                  | *6,700   | *0.5                 |
| 65–74 years . . . . .            | 174,100                      | 100.0                | 153,400            | 88.1                 | 17,500                  | 10.1                 | 7,800   | 4.5                  | *        | *                    | *         | *                    | *        | *                    |
| 75–84 years . . . . .            | 468,700                      | 100.0                | 408,000            | 87.0                 | 55,800                  | 11.9                 | 30,700  | 6.5                  | *6,500   | *1.4                 | *6,500    | *1.4                 | *        | *                    |
| 85 years and older . . . . .     | 674,500                      | 100.0                | 607,800            | 90.1                 | 62,200                  | 9.2                  | 30,200  | 4.5                  | *5,000   | *0.7                 | 8,500     | 1.3                  | *        | *                    |
| Sex                              |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Male . . . . .                   | 430,500                      | 100.0                | 369,300            | 85.8                 | 55,700                  | 12.9                 | 11,900  | 2.8                  | 30,100   | 7.0                  | *5,800    | *1.4                 | 7,900    | 1.8                  |
| Female . . . . .                 | 1,061,700                    | 100.0                | 949,200            | 89.4                 | 103,700                 | 9.8                  | 26,900  | 2.5                  | 48,900   | 4.6                  | 11,400    | 1.1                  | 16,400   | 1.5                  |
| Race                             |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| White . . . . .                  | 1,276,000                    | 100.0                | 1,128,600          | 88.5                 | 135,600                 | 10.6                 | 34,700  | 2.7                  | 67,800   | 5.3                  | 14,200    | 1.1                  | 18,900   | 1.5                  |
| Black . . . . .                  | 186,100                      | 100.0                | 163,700            | 88.0                 | 19,900                  | 10.7                 | *       | *                    | 9,800    | 5.3                  | *         | *                    | *4,800   | *2.6                 |
| Other <sup>4</sup> . . . . .     | 30,100                       | 100.0                | 26,300             | 87.3                 | *3,800                  | *12.7                | *       | *                    | *        | *                    | *         | *                    | *        | *                    |
| Hispanic or Latino origin        |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Hispanic or Latino . . . . .     | 57,200                       | 100.0                | 50,800             | 88.9                 | *5,400                  | *9.4                 | *       | *                    | *        | *                    | *         | *                    | *        | *                    |
| Not Hispanic or Latino . . . . . | 1,427,400                    | 100.0                | 1,264,200          | 88.6                 | 153,500                 | 10.8                 | 37,700  | 2.6                  | 76,100   | 5.3                  | 16,400    | 1.1                  | 23,400   | 1.6                  |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Highest stage of any pressure ulcer at time of interview.

<sup>2</sup>Includes unknowns.

<sup>3</sup>Age at time of interview.

<sup>4</sup>Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.

NOTES: Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.

**Table 28. Number and percent distribution of nursing home residents by presence and highest stage of pressure ulcers at the time of the interview according to selected facility characteristics: United States, 2004**

| Characteristic                                       | Pressure ulcers <sup>1</sup> |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
|--|------------------------------|----------------------|--------------------|----------------------|-------------------------|----------------------|---------|----------------------|----------|----------------------|-----------|----------------------|----------|----------------------|
|  | All residents <sup>2</sup>   |                      | No pressure ulcers |                      | Highest stage of ulcers |                      |         |                      |          |                      |           |                      |          |                      |
|  |                              |                      |                    |                      | Total                   |                      | Stage I |                      | Stage II |                      | Stage III |                      | Stage IV |                      |
|  | Number                       | Percent distribution | Number             | Percent distribution | Number                  | Percent distribution | Number  | Percent distribution | Number   | Percent distribution | Number    | Percent distribution | Number   | Percent distribution |
| All residents . . . . .                              | 1,492,200                    | 100.0                | 1,318,600          | 88.4                 | 159,400                 | 10.7                 | 38,800  | 2.6                  | 79,100   | 5.3                  | 17,200    | 1.2                  | 24,300   | 1.6                  |
| Ownership  |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Proprietary . . . . .                                | 918,000                      | 100.0                | 809,600            | 88.2                 | 99,800                  | 10.9                 | 22,700  | 2.5                  | 48,000   | 5.2                  | 11,300    | 1.2                  | 17,900   | 1.9                  |
| Voluntary nonprofit and other <sup>3</sup> . . . . . | 574,200                      | 100.0                | 509,000            | 88.6                 | 59,500                  | 10.4                 | 16,100  | 2.8                  | 31,100   | 5.4                  | *5,900    | *1.0                 | 6,400    | 1.1                  |
| Certification  |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Certified . . . . .                                  | 1,475,600                    | 100.0                | 1,302,900          | 88.3                 | 158,600                 | 10.7                 | 38,700  | 2.6                  | 78,400   | 5.3                  | 17,200    | 1.2                  | 24,200   | 1.6                  |
| Medicare and Medicaid . . . . .                      | 1,379,700                    | 100.0                | 1,217,100          | 88.2                 | 150,600                 | 10.9                 | 35,800  | 2.6                  | 75,400   | 5.5                  | 15,900    | 1.2                  | 23,400   | 1.7                  |
| Medicare only . . . . .                              | 28,100                       | 100.0                | 23,400             | 83.1                 | *4,100                  | *14.7                | *       | *                    | *        | *                    | *         | *                    | *        | *                    |
| Medicaid only . . . . .                              | 67,900                       | 100.0                | 62,500             | 92.1                 | 3,800                   | 5.6                  | *       | *                    | *        | *                    | *         | *                    | *        | *                    |
| Not certified . . . . .                              | 16,600                       | 100.0                | 15,700             | 94.7                 | *                       | *                    | *       | *                    | *        | *                    | *         | *                    | *        | *                    |
| Beds   |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Fewer than 50 beds . . . . .                         | 62,200                       | 100.0                | 55,300             | 88.9                 | 6,800                   | 10.9                 | *2,100  | 3.4                  | *3,200   | 5.2                  | *         | *                    | *        | *                    |
| 50–99 beds . . . . .                                 | 422,600                      | 100.0                | 379,100            | 89.7                 | 42,300                  | 10.0                 | 9,800   | 2.3                  | 21,700   | 5.1                  | *5,000    | *1.2                 | 5,900    | 1.4                  |
| 100 beds or more . . . . .                           | 1,007,500                    | 100.0                | 884,300            | 87.8                 | 110,300                 | 10.9                 | 26,900  | 2.7                  | 54,100   | 5.4                  | 11,600    | 1.2                  | 17,600   | 1.8                  |
| Geographic region                                    |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Northeast . . . . .                                  | 331,300                      | 100.0                | 289,900            | 87.5                 | 38,200                  | 11.5                 | 9,200   | 2.8                  | 17,800   | 5.4                  | *4,900    | *1.5                 | *6,300   | *1.9                 |
| Midwest . . . . .                                    | 448,000                      | 100.0                | 401,000            | 89.5                 | 41,500                  | 9.3                  | 9,800   | 2.2                  | 24,200   | 5.4                  | *3,200    | *0.7                 | *4,300   | *1.0                 |
| South . . . . .                                      | 501,500                      | 100.0                | 444,300            | 88.6                 | 53,800                  | 10.7                 | 10,900  | 2.2                  | 27,700   | 5.5                  | *6,000    | *1.2                 | 9,200    | 1.8                  |
| West . . . . .                                       | 211,400                      | 100.0                | 183,400            | 86.8                 | 25,900                  | 12.2                 | 8,900   | 4.2                  | 9,400    | 4.4                  | *         | *                    | *4,500   | *2.1                 |
| Location   |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Metropolitan statistical area . . . . .              | 1,127,800                    | 100.0                | 993,200            | 88.1                 | 122,300                 | 10.8                 | 30,800  | 2.7                  | 57,600   | 5.1                  | 14,000    | 1.2                  | 19,900   | 1.8                  |
| Micropolitan statistical area . . . . .              | 202,000                      | 100.0                | 180,100            | 89.2                 | 21,400                  | 10.6                 | 4,600   | 2.3                  | 12,300   | 6.1                  | *2,300    | *1.1                 | *2,300   | *1.1                 |
| Other location . . . . .                             | 162,400                      | 100.0                | 145,400            | 89.5                 | 15,700                  | 9.7                  | *3,400  | *2.1                 | 9,200    | 5.6                  | *         | *                    | *2,100   | *1.3                 |
| Affiliation  |                              |                      |                    |                      |                         |                      |         |                      |          |                      |           |                      |          |                      |
| Chain . . . . .                                      | 812,500                      | 100.0                | 714,300            | 87.9                 | 89,900                  | 11.1                 | 21,000  | 2.6                  | 44,200   | 5.4                  | 9,600     | 1.2                  | 15,100   | 1.9                  |
| Independent . . . . .                                | 679,700                      | 100.0                | 604,300            | 88.9                 | 69,500                  | 10.2                 | 17,700  | 2.6                  | 34,900   | 5.1                  | 7,700     | 1.1                  | 9,200    | 1.4                  |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Highest stage of any pressure ulcer at time of interview.

<sup>2</sup>Includes unknown.

<sup>3</sup>Includes state and local government owned facilities.

NOTES: Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.

**Table 29. Number and percent distribution of nursing home residents by use of physical restraints in nursing homes and selected resident characteristics: United States, 2004**

| Characteristic                   | Physical restraints |                      |               |                      |                        |                      |
|----------------------------------|---------------------|----------------------|---------------|----------------------|------------------------|----------------------|
|                                  | All residents       |                      | No restraints |                      | One or more restraints |                      |
|                                  | Number              | Percent distribution | Number        | Percent distribution | Number                 | Percent distribution |
| All residents . . . . .          | 1,492,200           | 100.0                | 894,500       | 59.9                 | 583,900                | 39.1                 |
| Age <sup>1</sup>                 |                     |                      |               |                      |                        |                      |
| Under 65 years . . . . .         | 174,900             | 100.0                | 100,900       | 57.7                 | 72,700                 | 41.6                 |
| 65 years and older . . . . .     | 1,317,300           | 100.0                | 793,600       | 60.2                 | 511,200                | 38.8                 |
| 65–74 years . . . . .            | 174,100             | 100.0                | 106,900       | 61.4                 | 64,200                 | 36.9                 |
| 75–84 years . . . . .            | 468,700             | 100.0                | 280,900       | 59.9                 | 183,100                | 39.1                 |
| 85 years and older . . . . .     | 674,500             | 100.0                | 405,800       | 60.2                 | 263,800                | 39.1                 |
| Sex                              |                     |                      |               |                      |                        |                      |
| Male . . . . .                   | 430,500             | 100.0                | 260,500       | 60.5                 | 164,500                | 38.2                 |
| Female . . . . .                 | 1,061,700           | 100.0                | 634,000       | 59.7                 | 419,400                | 39.5                 |
| Race                             |                     |                      |               |                      |                        |                      |
| White . . . . .                  | 1,276,000           | 100.0                | 778,800       | 61.0                 | 485,900                | 38.1                 |
| Black . . . . .                  | 186,100             | 100.0                | 97,900        | 52.6                 | 85,700                 | 46.0                 |
| Other <sup>2</sup> . . . . .     | 30,100              | 100.0                | 17,800        | 59.0                 | 12,400                 | 41.0                 |
| Hispanic or Latino origin        |                     |                      |               |                      |                        |                      |
| Hispanic or Latino . . . . .     | 57,200              | 100.0                | 33,200        | 58.0                 | 23,200                 | 40.6                 |
| Not Hispanic or Latino . . . . . | 1,427,400           | 100.0                | 859,600       | 60.2                 | 558,500                | 39.1                 |

<sup>1</sup>Age at time of interview.<sup>2</sup>Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.

NOTES: Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.

**Table 30. Number and percentage of nursing home residents by types of physical restraints used in nursing homes and selected resident characteristics: United States, 2004**

| Characteristic                  | Type of physical restraints <sup>1</sup> |          |         |           |         |                     |         |               |         |
|---------------------------------|--|----------|---------|-----------|---------|---------------------|---------|---------------|---------|
|                                 | All residents                            | Bedrails |         | Siderails |         | Chairs <sup>2</sup> |         | Trunk or limb |         |
|                                 | Number                                   | Number   | Percent | Number    | Percent | Number              | Percent | Number        | Percent |
| All residents . . . . .         | 1,492,200                                | 205,000  | 13.7    | 365,800   | 24.5    | 50,300              | 3.4     | 60,900        | 4.1     |
| Age <sup>3</sup>                |  |          |         |           |         |                     |         |               |         |
| Under 65 years . . . . .        | 174,900                                  | 34,600   | 19.8    | 40,000    | 22.9    | *8,000              | *4.6    | 9,100         | 5.2     |
| 65 years and older . . . . .    | 1,317,300                                | 170,400  | 12.9    | 325,800   | 24.7    | 42,200              | 3.2     | 51,800        | 3.9     |
| 65–74 years . . . . .           | 174,100                                  | 22,400   | 12.9    | 41,400    | 23.8    | *4,400              | *2.5    | *5,400        | *3.1    |
| 75–84 years . . . . .           | 468,700                                  | 60,900   | 13.0    | 116,500   | 24.8    | 15,400              | 3.3     | 18,200        | 3.9     |
| 85 years and older . . . . .    | 674,500                                  | 87,100   | 12.9    | 167,900   | 24.9    | 22,500              | 3.3     | 28,100        | 4.2     |
| Sex                             |  |          |         |           |         |                     |         |               |         |
| Male . . . . .                  | 430,500                                  | 60,000   | 13.9    | 100,600   | 23.4    | 15,200              | 3.5     | 17,300        | 4.0     |
| Female . . . . .                | 1,061,700                                | 145,000  | 13.7    | 265,200   | 25.0    | 35,100              | 3.3     | 43,600        | 4.1     |
| Race                            |  |          |         |           |         |                     |         |               |         |
| White . . . . .                 | 1,276,000                                | 161,400  | 12.7    | 310,300   | 24.3    | 41,200              | 3.2     | 51,000        | 4.0     |
| Black . . . . .                 | 186,100                                  | 37,800   | 20.3    | 49,200    | 26.5    | *7,600              | *4.1    | 8,000         | 4.3     |
| Other <sup>4</sup> . . . . .    | 30,100                                   | *5,700   | *19.0   | *6,300    | *20.8   | *                   | *       | *             | *       |
| Hispanic or Latino origin       |  |          |         |           |         |                     |         |               |         |
| Hispanic or Latino . . . . .    | 57,200                                   | 9,600    | 16.7    | 13,700    | 23.9    | *                   | *       | *             | *       |
| Not Hispanic or Latino. . . . . | 1,427,400                                | 195,100  | 13.7    | 350,200   | 24.5    | 47,700              | 3.3     | 58,000        | 4.1     |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Includes multiple counts for residents with more than one physical restraint.

<sup>2</sup>Chair prevents resident from rising.

<sup>3</sup>Age at time of interview.

<sup>4</sup>Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.

NOTES: Numbers may not add to totals because of rounding. Percentages are based on the unrounded numbers.

**Table 31. Number and percent distribution of nursing home residents by use of physical restraints in nursing homes and selected facility characteristics: United States, 2004**

| Characteristic                          | Physical restraints |                      |               |                      |                        |                      |
|---|---------------------|----------------------|---------------|----------------------|------------------------|----------------------|
|   | All residents       |                      | No restraints |                      | One or more restraints |                      |
|   | Number              | Percent distribution | Number        | Percent distribution | Number                 | Percent distribution |
| All residents . . . . .                 | 1,492,200           | 100.0                | 583,900       | 39.1                 | 894,500                | 59.9                 |
| Ownership                               |                     |                      |               |                      |                        |                      |
| Proprietary . . . . .                   | 918,000             | 100.0                | 360,300       | 39.3                 | 549,500                | 59.9                 |
| Voluntary nonprofit . . . . .           | 440,300             | 100.0                | 172,600       | 39.2                 | 262,600                | 59.6                 |
| Government and other . . . . .          | 133,900             | 100.0                | 51,000        | 38.1                 | 82,500                 | 61.6                 |
| Certification                           |                     |                      |               |                      |                        |                      |
| Certified . . . . .                     | 1,475,600           | 100.0                | 576,900       | 39.1                 | 885,000                | 60.0                 |
| Medicare and Medicaid . . . . .         | 1,379,700           | 100.0                | 541,400       | 39.2                 | 826,800                | 59.9                 |
| Medicare only . . . . .                 | 28,100              | 100.0                | 11,100        | 39.6                 | 16,400                 | 58.2                 |
| Medicaid only . . . . .                 | 67,900              | 100.0                | 24,400        | 36.0                 | 41,900                 | 61.7                 |
| Not certified . . . . .                 | 16,600              | 100.0                | *7,000        | 42.2                 | *9,500                 | 57.5                 |
| Beds                                    |                     |                      |               |                      |                        |                      |
| Fewer than 50 beds . . . . .            | 62,200              | 100.0                | 25,400        | 40.8                 | 36,700                 | 59.0                 |
| 50–99 beds . . . . .                    | 422,600             | 100.0                | 167,100       | 39.6                 | 254,100                | 60.1                 |
| 100 beds or more . . . . .              | 1,007,500           | 100.0                | 391,400       | 38.8                 | 603,800                | 59.9                 |
| Geographic region                       |                     |                      |               |                      |                        |                      |
| Northeast . . . . .                     | 331,300             | 100.0                | 138,200       | 41.7                 | 190,300                | 57.4                 |
| Midwest . . . . .                       | 448,000             | 100.0                | 141,100       | 31.5                 | 301,400                | 67.3                 |
| South . . . . .                         | 501,500             | 100.0                | 220,300       | 43.9                 | 277,900                | 55.4                 |
| West . . . . .                          | 211,400             | 100.0                | 84,200        | 39.8                 | 124,900                | 59.1                 |
| Location                                |                     |                      |               |                      |                        |                      |
| Metropolitan statistical area . . . . . | 1,127,800           | 100.0                | 447,700       | 39.7                 | 668,100                | 59.2                 |
| Micropolitan statistical area . . . . . | 202,000             | 100.0                | 77,400        | 38.3                 | 124,000                | 61.4                 |
| Other location . . . . .                | 162,400             | 100.0                | 58,800        | 36.2                 | 102,400                | 63.0                 |
| Affiliation                             |                     |                      |               |                      |                        |                      |
| Chain . . . . .                         | 812,500             | 100.0                | 311,400       | 38.3                 | 493,000                | 60.7                 |
| Independent . . . . .                   | 679,700             | 100.0                | 272,500       | 40.1                 | 401,600                | 59.1                 |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

NOTES: Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.

**Table 32. Number and percentage of nursing home residents by types of physical restraints used in nursing homes and selected facility characteristics: United States, 2004**

| Characteristic                          | All residents | Type of physical restraints <sup>1</sup> |         |           |         |                     |         |               |         |
|---|---------------|--|---------|-----------|---------|---------------------|---------|---------------|---------|
|   |               | Bedrails                                 |         | Siderails |         | Chairs <sup>2</sup> |         | Trunk or limb |         |
|   |               | Number                                   | Percent | Number    | Percent | Number              | Percent | Number        | Percent |
| All residents . . . . .                 | 1,492,200     | 205,000                                  | 13.7    | 365,800   | 24.5    | 50,300              | 3.4     | 60,900        | 4.1     |
| Ownership                               |               |  |         |           |         |                     |         |               |         |
| Proprietary . . . . .                   | 918,000       | 142,700                                  | 15.5    | 210,300   | 22.9    | 30,600              | 3.3     | 39,400        | 4.3     |
| Voluntary nonprofit . . . . .           | 440,300       | 46,200                                   | 10.5    | 121,400   | 27.6    | 16,200              | 3.7     | 16,300        | 3.7     |
| Government and other . . . . .          | 133,900       | 16,100                                   | 12.0    | 34,100    | 25.5    | *3,600              | *2.7    | *5,200        | *3.9    |
| Certification                           |               |  |         |           |         |                     |         |               |         |
| Certified . . . . .                     | 1,475,600     | 202,300                                  | 13.7    | 362,200   | 24.5    | 49,500              | 3.4     | 60,200        | 4.1     |
| Medicare and Medicaid . . . . .         | 1,379,700     | 187,400                                  | 13.6    | 340,900   | 24.7    | 45,500              | 3.3     | 55,200        | 4.0     |
| Medicare only . . . . .                 | 28,100        | *3,100                                   | *10.9   | 8,100     | 28.7    | *                   | *       | *             | *       |
| Medicaid only . . . . .                 | 67,900        | 11,800                                   | 17.4    | 13,200    | 19.4    | *3,800              | *5.6    | *4,700        | *6.9    |
| Not certified . . . . .                 | 16,600        | *2,700                                   | *16.3   | *3,600    | *21.8   | *                   | *       | *             | *       |
| Beds                                    |               |  |         |           |         |                     |         |               |         |
| Fewer than 50 beds . . . . .            | 62,200        | 8,700                                    | 13.9    | 17,100    | 27.6    | *1,400              | *2.2    | *1,300        | *2.1    |
| 50–99 beds . . . . .                    | 422,600       | 62,900                                   | 14.9    | 101,900   | 24.1    | 12,800              | 3.0     | 17,500        | 4.1     |
| 100 beds or more . . . . .              | 1,007,500     | 133,400                                  | 13.2    | 246,800   | 24.5    | 36,100              | 3.6     | 42,100        | 4.2     |
| Geographic region                       |               |  |         |           |         |                     |         |               |         |
| Northeast . . . . .                     | 331,300       | 23,400                                   | 7.1     | 108,700   | 32.8    | *10,000             | *3.0    | 10,600        | 3.2     |
| Midwest . . . . .                       | 448,000       | 36,500                                   | 8.1     | 99,000    | 22.1    | 10,500              | 2.3     | 11,900        | 2.7     |
| South . . . . .                         | 501,500       | 107,300                                  | 21.4    | 113,400   | 22.6    | 21,000              | 4.2     | 26,400        | 5.3     |
| West . . . . .                          | 211,400       | 37,800                                   | 17.9    | 44,600    | 21.1    | 8,700               | 4.1     | 12,000        | 5.7     |
| Location                                |               |  |         |           |         |                     |         |               |         |
| Metropolitan statistical area . . . . . | 1,127,800     | 145,600                                  | 12.9    | 289,900   | 25.7    | 39,100              | 3.5     | 48,000        | 4.3     |
| Micropolitan statistical area . . . . . | 202,000       | 33,000                                   | 16.4    | 43,800    | 21.7    | 6,200               | 3.1     | 7,400         | 3.7     |
| Other location . . . . .                | 162,400       | 26,400                                   | 16.3    | 32,000    | 19.7    | 5,000               | 3.1     | 5,500         | 3.4     |
| Affiliation                             |               |  |         |           |         |                     |         |               |         |
| Chain . . . . .                         | 812,500       | 106,200                                  | 13.1    | 193,800   | 23.9    | 26,700              | 3.3     | 29,700        | 3.7     |
| Independent . . . . .                   | 679,700       | 98,800                                   | 14.5    | 171,900   | 25.3    | 23,600              | 3.5     | 31,100        | 4.6     |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Includes multiple counts for residents with more than one physical restraint.

<sup>2</sup>Chair prevents resident from rising.

NOTES: Numbers may not add to totals because of rounding. Percentages are based on the unrounded numbers.

**Table 33. Number and percent distribution of nursing home residents by primary diagnosis at admission and at time of interview: United States, 2004**

| Diagnosis and ICD-9-CM code <sup>1</sup>   | At admission |                      | At time of interview |                      |
|--|--------------|----------------------|----------------------|----------------------|
|  | Number       | Percent distribution | Number               | Percent distribution |
| All residents . . . . .  | 1,492,200    | 100.0                | 1,492,200            | 100.0                |
| Infectious and parasitic diseases . . . . .001-139   | 15,400       | 1.0                  | 8,400                | 0.6                  |
| Neoplasms . . . . .140-239   | 30,300       | 2.0                  | 33,800               | 2.3                  |
| Malignant neoplasms . . . . .140-208, 230-234  | 26,700       | 1.8                  | 29,700               | 2.0                  |
| Endocrine, nutritional, and metabolic diseases and immunity disorders . . . . .240-279                     | 81,000       | 5.4                  | 109,900              | 7.4                  |
| Diabetes mellitus . . . . .250   | 57,500       | 3.9                  | 87,600               | 5.9                  |
| Diseases of the blood and blood-forming groups . . . . .280-289  | 9,200        | 0.6                  | 11,400               | 0.8                  |
| Anemias . . . . .280-285   | 8,300        | 0.6                  | 11,000               | 0.7                  |
| Mental disorders . . . . .290-319  | 244,000      | 16.4                 | 327,100              | 21.9                 |
| Senile dementia or organic brain syndrome . . . . .290,310   | 21,000       | 1.4                  | 28,000               | 1.9                  |
| Mental retardation . . . . .317-319  | 10,900       | 0.7                  | 11,400               | 0.8                  |
| Other mental disorders . . . . .291-309, 311-316   | 212,100      | 14.2                 | 287,700              | 19.3                 |
| Diseases of the nervous system and sense organs . . . . .320-389   | 208,700      | 14.0                 | 246,200              | 16.5                 |
| Alzheimer's disease . . . . .331.0   | 126,600      | 8.5                  | 156,000              | 10.5                 |
| Parkinson's disease . . . . .332   | 27,700       | 1.9                  | 34,700               | 2.3                  |
| Multiple sclerosis . . . . .340  | 13,900       | 0.9                  | 13,200               | 0.9                  |
| Paralytic syndromes . . . . .342-344   | 19,300       | 1.3                  | 23,100               | 1.5                  |
| Other diseases of the nervous system and sense organs . . . . .320-330, 331.1-331.9, 333-337, 341, 345-389 | 21,200       | 1.4                  | 19,200               | 1.3                  |
| Diseases of the circulatory system . . . . .390-459  | 353,100      | 23.7                 | 373,000              | 25.0                 |
| Essential hypertension . . . . .401  | 54,600       | 3.7                  | 88,800               | 6.0                  |
| Heart disease . . . . .391-392.0, 393-398, 402, 404, 410-416, 420-429                                      | 123,700      | 8.3                  | 141,700              | 9.5                  |
| Coronary atherosclerosis . . . . .414.0  | *5,300       | *0.4                 | 9,700                | 0.7                  |
| Cardiac dysrhythmias . . . . .428.0  | 16,700       | 1.1                  | 23,800               | 1.6                  |
| Congestive heart failure . . . . .428  | 63,800       | 4.3                  | 70,000               | 4.7                  |
| Other heart disease . . . . .391-392.0, 393-398, 415-416, 420-426, 428.1-429                               | 12,700       | 0.9                  | 11,700               | 0.8                  |
| Acute, but ill-defined, cerebrovascular disease . . . . .436   | 86,400       | 5.8                  | 72,100               | 4.8                  |
| Other diseases of the circulatory system . . . . .390, 392.9, 403, 405, 417, 440-459                       | 21,100       | 1.4                  | 21,100               | 1.4                  |
| Diseases of the respiratory system . . . . .460-519  | 100,000      | 6.7                  | 74,200               | 5.0                  |
| Pneumonia, all forms . . . . .480-486  | 38,200       | 2.6                  | 10,300               | 0.7                  |
| Chronic obstructive pulmonary disease and allied conditions . . . . .490-496                               | 42,200       | 2.8                  | 53,000               | 3.6                  |
| Other diseases of the respiratory system . . . . .460-478, 487, 500-519                                    | 19,600       | 1.3                  | 10,800               | 0.7                  |
| Diseases of the digestive system . . . . .520-579  | 46,300       | 3.1                  | 29,800               | 2.0                  |
| Diseases of the genitourinary system . . . . .580-629  | 51,300       | 3.4                  | 36,800               | 2.5                  |
| Urinary tract infection . . . . .580-583, 590, 595, 597, 599.0   | 25,300       | 1.7                  | 9,900                | 0.7                  |
| Diseases of the skin and subcutaneous tissue . . . . .680-709  | 21,000       | 1.4                  | 14,900               | 1.0                  |
| Decubitus ulcer . . . . .707.0   | *6,500       | *0.4                 | *5,100               | *0.3                 |
| Diseases of the musculoskeletal system and connective tissue . . . . .710-739                              | 67,200       | 4.5                  | 77,600               | 5.2                  |
| Rheumatoid arthritis, except spine . . . . .714  | *4,500       | *0.3                 | *6,100               | *0.4                 |
| Osteoarthritis and allied disorders, except spine . . . . .715   | 19,700       | 1.3                  | 26,800               | 1.8                  |
| Other arthropathies and related disorders . . . . .710-713, 716-719  | 11,800       | 0.8                  | 13,300               | 0.9                  |
| Osteoporosis . . . . .733.0  | 7,300        | 0.5                  | 15,100               | 1.0                  |
| Symptoms, signs, and ill-defined conditions . . . . .780-799   | 82,900       | 5.6                  | 63,500               | 4.3                  |
| Injury and poisoning <sup>2</sup> . . . . .800-999   | 19,700       | 1.3                  | 54,000               | 3.6                  |
| Supplementary classification <sup>2</sup> . . . . .V01-V82   | 142,900      | 9.6                  | 15,900               | 1.1                  |
| Posthospital aftercare . . . . .V42-46, V52, V53.3-V53.7, V54-58   | 132,000      | 8.8                  | 8,700                | 0.6                  |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

<sup>2</sup>For data years 1995-1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD-9-CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD-9-CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as post-hospital aftercare.

NOTES: Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.

**Table 34. Number of nursing home residents by primary diagnosis at admission by age, sex, and race: United States, 2004**

| Diagnosis and ICD–9–CM code <sup>1</sup>   | Age <sup>1</sup> |                |                    |             |             |                    | Sex     |           | Race      |         |
|--|------------------|----------------|--------------------|-------------|-------------|--------------------|---------|-----------|-----------|---------|
|  | All residents    | Under 65 years | 65 years and older |             |             |                    | Male    | Female    | White     | Black   |
|  |                  |                | Total              | 65–74 years | 75–84 years | 85 years and older |         |           |           |         |
| All residents . . . . .  | 1,492,200        | 174,900        | 1,317,300          | 174,100     | 468,700     | 674,500            | 430,500 | 1,061,700 | 1,276,000 | 186,100 |
| Infectious and parasitic diseases . . . . .001–139   | 15,400           | *4,200         | 11,200             | *           | *4,700      | *4,800             | *6,000  | 9,400     | 11,500    | *       |
| Neoplasms . . . . .140–239   | 30,300           | *4,700         | 25,700             | *4,100      | 11,100      | 10,500             | 12,200  | 18,100    | 25,900    | *3,900  |
| Malignant neoplasms . . . . .140–208, 230–234  | 26,700           | *3,500         | 23,200             | *3,900      | 10,000      | 9,300              | 11,100  | 15,600    | 22,600    | *       |
| Endocrine, nutritional, and metabolic diseases and immunity disorders . . .240–279                     | 81,000           | 9,700          | 71,300             | 12,800      | 28,400      | 30,100             | 20,800  | 60,200    | 64,200    | 15,400  |
| Diabetes mellitus . . . . .250   | 57,500           | 8,000          | 49,500             | 10,600      | 21,100      | 17,900             | 16,800  | 40,700    | 44,400    | 12,100  |
| Diseases of the blood and blood-forming groups . . . . .280–289  | 9,200            | *              | 8,900              | *           | *           | 6,400              | *       | 6,500     | 7,600     | *       |
| Anemias . . . . .280–285   | 8,300            | *              | 8,100              | *           | *           | *5,700             | *       | *5,900    | 7,000     | *       |
| Mental disorders . . . . .290–319  | 244,000          | 32,200         | 211,800            | 29,500      | 72,300      | 110,000            | 72,100  | 171,900   | 209,700   | 30,100  |
| Senile dementia or organic brain syndrome . . . . .290,310   | 21,000           | *              | 18,800             | *           | *4,600      | 12,100             | *5,900  | 15,100    | 18,200    | *       |
| Mental retardation . . . . .317–319  | 10,900           | *5,300         | *5,700             | *           | *           | *                  | *5,300  | 5,600     | 9,200     | *       |
| Other mental disorders . . . . .291–309, 311–316   | 212,100          | 24,700         | 187,400            | 24,700      | 65,300      | 97,400             | 60,900  | 151,200   | 182,300   | 26,300  |
| Diseases of the nervous system and sense organs . . . . .320–389                                       | 208,700          | 31,100         | 177,500            | 21,300      | 74,800      | 81,400             | 61,800  | 146,900   | 188,100   | 17,200  |
| Alzheimer's disease . . . . .331.0   | 126,600          | *              | 125,000            | 9,400       | 53,900      | 61,800             | 27,700  | 98,900    | 117,100   | 8,300   |
| Parkinson's disease . . . . .332   | 27,700           | *              | 26,400             | *3,900      | 12,600      | 9,900              | 11,900  | 15,700    | 27,000    | *       |
| Multiple sclerosis . . . . .340  | 13,900           | 8,700          | *5,100             | *3,400      | *           | *                  | *3,900  | 10,000    | 12,500    | *       |
| Paralytic syndromes . . . . .342–344   | 19,300           | 11,100         | 8,200              | *           | *3,100      | *                  | 10,200  | 9,100     | 13,200    | *4,800  |
| Other diseases of the nervous system and sense organs . . .320–330, 331.1–331.9, 333–337, 341, 345–389 | 21,200           | 8,400          | 12,800             | *           | *4,000      | *6,800             | 8,000   | 13,100    | 18,300    | *       |
| Diseases of the circulatory system . . . . .390–459  | 353,100          | 27,600         | 325,500            | 43,300      | 106,900     | 175,200            | 101,400 | 251,600   | 290,800   | 55,200  |
| Essential hypertension . . . . .401  | 54,600           | *3,900         | 50,800             | *5,600      | 14,300      | 30,900             | 13,700  | 40,900    | 42,900    | 10,600  |
| Heart disease . . . . .391–392.0, 393–398, 402, 404, 410–416, 420–429                                  | 123,700          | *4,300         | 119,400            | 9,700       | 36,000      | 73,700             | 29,400  | 94,400    | 110,100   | 12,500  |
| Coronary atherosclerosis . . . . .414.0  | *5,300           | *              | *5,200             | *           | *           | *3,300             | *       | *3,800    | *5,000    | *       |
| Cardiac dysrhythmias . . . . .427  | 16,700           | *              | 16,500             | *           | *4,700      | 10,800             | *3,900  | 12,800    | 14,600    | *       |
| Congestive heart failure . . . . .428.0  | 63,800           | *              | 62,400             | *5,400      | 16,400      | 40,500             | 12,700  | 51,000    | 55,600    | *7,400  |
| Other heart disease . . . . .391–392.0, 393–398, 415–416, 420–426, 428.1–429                           | 12,700           | *              | 11,500             | *           | *4,400      | 6,400              | *       | 10,100    | 12,000    | *       |
| Acute, but ill-defined, cerebrovascular disease . . . . .436   | 86,400           | 9,200          | 77,200             | 12,900      | 26,200      | 38,000             | 26,500  | 59,800    | 69,200    | 15,300  |
| Other diseases of the circulatory system . . . . .390, 392.9, 403, 405, 417, 440–459                   | 21,100           | *              | 19,200             | *           | 7,800       | 7,900              | *6,400  | 14,700    | 17,000    | *4,000  |
| Diseases of the respiratory system . . . . .460–519  | 100,000          | 11,100         | 88,900             | 15,100      | 34,100      | 39,700             | 30,600  | 69,400    | 88,000    | 10,100  |
| Pneumonia, all forms . . . . .480–486  | 38,200           | *              | 36,500             | *4,500      | 11,000      | 21,000             | 11,900  | 26,300    | 33,900    | *       |
| Chronic obstructive pulmonary disease and allied conditions . . . . .490–496                           | 42,200           | *3,800         | 38,400             | 7,300       | 17,700      | 13,300             | 12,200  | 29,900    | 38,300    | *       |
| Other diseases of the respiratory system . . . . .460–478, 487, 500–519                                | 19,600           | *5,700         | 13,900             | *3,200      | *5,300      | *5,400             | 6,500   | 13,100    | 15,800    | *       |
| Diseases of the digestive system . . . . .520–579  | 46,300           | *6,500         | 39,800             | *5,100      | 15,000      | 19,700             | 14,900  | 31,400    | 38,500    | *6,200  |
| Diseases of the genitourinary system . . . . .580–629  | 51,300           | *7,000         | 44,300             | 9,000       | 15,000      | 20,300             | 18,900  | 32,500    | 41,800    | *7,700  |
| Urinary tract infection . . . . .580–583, 590, 595, 597, 599.0   | 25,300           | *              | 23,500             | *3,800      | 7,000       | 12,700             | *6,500  | 18,800    | 22,100    | *       |
| Diseases of the skin and subcutaneous tissue . . . . .680–709  | 21,000           | *3,200         | 17,800             | *           | 6,900       | 9,400              | *5,200  | 15,800    | 18,400    | *       |
| Decubitus ulcer . . . . .707.0   | *6,500           | *              | *5,200             | *           | *           | *                  | *       | *5,400    | *5,300    | *       |
| Diseases of the musculoskeletal system and connective tissue . . . . .710–739                          | 67,200           | *4,500         | 62,700             | 5,700       | 20,200      | 36,700             | 14,000  | 53,200    | 60,600    | *5,700  |
| Rheumatoid arthritis, except spine . . . . .714  | *4,500           | *              | *4,200             | *           | *           | *                  | *       | *4,200    | *4,100    | *       |
| Osteoarthritis and allied disorders, except spine . . . . .715   | 19,700           | *              | 19,100             | *           | *4,600      | 12,600             | *3,200  | 16,400    | 17,400    | *       |
| Other arthropathies and related disorders . . . . .710–713, 716–719                                    | 11,800           | *              | 10,600             | *           | *3,700      | 5,600              | *3,200  | 8,700     | 10,300    | *       |
| Osteoporosis . . . . .733.0  | 7,300            | *              | 7,100              | *           | *           | *5,700             | *       | 6,800     | 6,600     | *       |
| Symptoms, signs, and ill-defined conditions . . . . .780–799   | 82,900           | 11,600         | 71,300             | 9,500       | 27,400      | 34,400             | 24,700  | 58,200    | 67,300    | 13,000  |
| Injury and poisoning <sup>4</sup> . . . . .800–999   | 19,700           | 8,000          | 11,700             | *           | *4,300      | *5,300             | 8,400   | 11,300    | 16,500    | *       |
| Supplementary classification <sup>4</sup> . . . . .V01–V82   | 142,900          | 8,700          | 134,200            | 11,300      | 39,500      | 83,400             | 29,800  | 113,200   | 132,800   | *7,100  |
| Posthospital aftercare . . . . .V42–46, V52, V53.3–V53.7, V54–58                                       | 132,000          | *6,800         | 125,200            | 9,600       | 35,600      | 80,000             | 25,500  | 106,500   | 123,900   | *5,400  |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.



<sup>1</sup>Age at time of admission.

<sup>2</sup>Other race not shown because diagnoses estimates do not meet standard of reliability.

<sup>3</sup>Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

<sup>4</sup>For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

NOTE: Numbers may not add to totals because of rounding.

**Table 35. Percent distribution of nursing home residents by primary diagnosis at admission by age, sex, and race: United States, 2004**

| Diagnosis and ICD-9-CM code <sup>1</sup>   | All residents | Age <sup>1</sup> |                    |             |             |                    | Sex   |        | Race  |       |
|--|---------------|------------------|--------------------|-------------|-------------|--------------------|-------|--------|-------|-------|
|  |               | Under 65 years   | 65 years and older |             |             |                    | Male  | Female | White | Black |
|  |               |                  | Total              | 65-74 years | 75-84 years | 85 years and older |       |        |       |       |
| All residents . . . . .  | 100.0         | 100.0            | 100.0              | 100.0       | 100.0       | 100.0              | 100.0 | 100.0  | 100.0 | 100.0 |
| Infectious and parasitic diseases . . . . .001-139   | 1.0           | *2.4             | 0.9                | *           | *1.0        | *0.7               | *1.4  | 0.9    | 0.9   | *     |
| Neoplasms . . . . .140-239   | 2.0           | *2.7             | 1.9                | *2.3        | 2.4         | 1.6                | 2.8   | 1.7    | 2.0   | *2.1  |
| Malignant neoplasms . . . . .140-208, 230-234  | 1.8           | *2.0             | 1.8                | *2.3        | 2.1         | 1.4                | 2.6   | 1.5    | 1.8   | *     |
| Endocrine, nutritional, and metabolic diseases and immunity disorders . . .240-279                 | 5.4           | 5.5              | 5.4                | 7.3         | 6.1         | 4.5                | 4.8   | 5.7    | 5.0   | 8.3   |
| Diabetes mellitus . . . . .250   | 3.9           | 4.6              | 3.8                | 6.1         | 4.5         | 2.6                | 3.9   | 3.8    | 3.5   | 6.5   |
| Diseases of the blood and blood-forming groups . . . . .280-289                                    | 0.6           | *                | 0.7                | *           | *           | 1.0                | *     | 0.6    | 0.6   | *     |
| Anemias . . . . .280-285   | 0.6           | *                | 0.6                | *           | *           | *0.8               | *     | *0.6   | 0.5   | *     |
| Mental disorders . . . . .290-319  | 16.4          | 18.4             | 16.1               | 16.9        | 15.4        | 16.3               | 16.7  | 16.2   | 16.4  | 16.2  |
| Senile dementia or organic brain syndrome . . . . .290,310   | 1.4           | *                | 1.4                | *           | *1.0        | 1.8                | *1.4  | 1.4    | 1.4   | *     |
| Mental retardation . . . . .317-319  | 0.7           | *3.0             | *0.4               | *           | *           | *                  | *1.2  | 0.5    | 0.7   | *     |
| Other mental disorders . . . . .291-309, 311-316   | 14.2          | 14.1             | 14.2               | 14.2        | 13.9        | 14.4               | 14.1  | 14.2   | 14.3  | 14.1  |
| Diseases of the nervous system and sense organs . . . . .320-389                                   | 14.0          | 17.8             | 13.5               | 12.3        | 16.0        | 12.1               | 14.4  | 13.8   | 14.7  | 9.3   |
| Alzheimer's disease . . . . .331.0   | 8.5           | *                | 9.5                | 5.4         | 11.5        | 9.2                | 6.4   | 9.3    | 9.2   | 4.5   |
| Parkinson's disease . . . . .332   | 1.9           | *                | 2.0                | *2.2        | 2.7         | 1.5                | 2.8   | 1.5    | 2.1   | *     |
| Multiple sclerosis . . . . .340  | 0.9           | 5.0              | *0.4               | *2.0        | *           | *                  | *0.9  | 0.9    | 1.0   | *     |
| Paralytic syndromes . . . . .342-344   | 1.3           | 6.4              | 0.6                | *           | *0.7        | *                  | 2.4   | 0.9    | 1.0   | *2.6  |
| Other diseases of the nervous system and sense organs .320-330, 331.1-331.9, 333-337, 341, 345-389 | 1.4           | 4.8              | 1.0                | *           | *0.8        | *1.0               | 1.9   | 1.2    | 1.4   | *     |
| Diseases of the circulatory system . . . . .390-459  | 23.7          | 15.8             | 24.7               | 24.9        | 22.8        | 26.0               | 23.6  | 23.7   | 22.8  | 29.7  |
| Essential hypertension . . . . .401  | 3.7           | *2.2             | 3.9                | *3.2        | 3.0         | 4.6                | 3.2   | 3.9    | 3.4   | 5.7   |
| Heart disease . . . . .391-392.0, 393-398, 402, 404, 410-416, 420-429                              | 8.3           | *2.5             | 9.1                | 5.6         | 7.7         | 10.9               | 6.8   | 8.9    | 8.6   | 6.7   |
| Coronary atherosclerosis . . . . .414.0  | *0.4          | *                | *0.4               | *           | *           | *0.5               | *     | *0.4   | *0.4  | *     |
| Cardiac dysrhythmias . . . . .427  | 1.1           | *                | 1.3                | *           | *1.0        | 1.6                | *0.9  | 1.2    | 1.1   | *     |
| Congestive heart failure . . . . .428.0  | 4.3           | *                | 4.7                | *3.1        | 3.5         | 6.0                | 3.0   | 4.8    | 4.4   | *4.0  |
| Other heart disease . . . . .391-392.0, 393-398, 415-416, 420-426, 428.1-429                       | 0.9           | *                | 0.9                | *           | *0.9        | 1.0                | *     | 0.9    | 0.9   | *     |
| Acute, but ill-defined, cerebrovascular disease . . . . .436                                       | 5.8           | 5.2              | 5.9                | 7.4         | 5.6         | 5.6                | 6.2   | 5.6    | 5.4   | 8.2   |
| Other diseases of the circulatory system . . . . .390, 392.9, 403, 405, 417, 440-459               | 1.4           | *                | 1.5                | *           | 1.7         | 1.2                | *1.5  | 1.4    | 1.3   | *2.2  |
| Diseases of the respiratory system . . . . .460-519  | 6.7           | 6.4              | 6.7                | 8.6         | 7.3         | 5.9                | 7.1   | 6.5    | 6.9   | 5.4   |
| Pneumonia, all forms . . . . .480-486  | 2.6           | *                | 2.8                | *2.6        | 2.4         | 3.1                | 2.8   | 2.5    | 2.7   | *     |
| Chronic obstructive pulmonary disease and allied conditions . . . . .490-496                       | 2.8           | *2.2             | 2.9                | 4.2         | 3.8         | 2.0                | 2.8   | 2.8    | 3.0   | *     |
| Other diseases of the respiratory system . . . . .460-478, 487, 500-519                            | 1.3           | *3.2             | 1.1                | *1.9        | *1.1        | *0.8               | 1.5   | 1.2    | 1.2   | *     |
| Diseases of the digestive system . . . . .520-579  | 3.1           | *3.7             | 3.0                | *2.9        | 3.2         | 2.9                | 3.5   | 3.0    | 3.0   | *3.3  |
| Diseases of the genitourinary system . . . . .580-629  | 3.4           | *4.0             | 3.4                | 5.2         | 3.2         | 3.0                | 4.4   | 3.1    | 3.3   | *4.2  |
| Urinary tract infection . . . . .580-583, 590, 595, 597, 599.0                                     | 1.7           | *                | 1.8                | *2.2        | 1.5         | 1.9                | *1.5  | 1.8    | 1.7   | *     |
| Diseases of the skin and subcutaneous tissue . . . . .680-709                                      | 1.4           | *1.8             | 1.4                | *           | 1.5         | 1.4                | *1.2  | 1.5    | 1.4   | *     |
| Decubitus ulcer . . . . .707.0   | *0.4          | *                | *0.4               | *           | *           | *                  | *     | *0.5   | *0.4  | *     |
| Diseases of the musculoskeletal system and connective tissue . . . . .710-739                      | 4.5           | *2.6             | 4.8                | 3.3         | 4.3         | 5.4                | 3.3   | 5.0    | 4.8   | *3.1  |
| Rheumatoid arthritis, except spine . . . . .714  | *0.3          | *                | *0.3               | *           | *           | *                  | *     | *0.4   | *0.3  | *     |
| Osteoarthritis and allied disorders, except spine . . . . .715                                     | 1.3           | *                | 1.5                | *           | *1.0        | 1.9                | *0.8  | 1.5    | 1.4   | *     |
| Other arthropathies and related disorders . . . . .710-713, 716-719                                | 0.8           | *                | 0.8                | *           | *0.8        | 0.8                | *0.7  | 0.8    | 0.8   | *     |
| Osteoporosis . . . . .733.0  | 0.5           | *                | 0.5                | *           | *           | *0.8               | *     | 0.6    | 0.5   | *     |
| Symptoms, signs, and ill-defined conditions . . . . .780-799                                       | 5.6           | 6.6              | 5.4                | 5.4         | 5.8         | 5.1                | 5.7   | 5.5    | 5.3   | 7.0   |
| Injury and poisoning <sup>4</sup> . . . . .800-999   | 1.3           | 4.6              | 0.9                | *           | *0.9        | *0.8               | 1.9   | 1.1    | 1.3   | *     |
| Supplementary classification <sup>4</sup> . . . . .V01-V82   | 9.6           | 5.0              | 10.2               | 6.5         | 8.4         | 12.4               | 6.9   | 10.7   | 10.4  | *3.8  |
| Posthospital aftercare . . . . .V42-46, V52, V53.3-V53.7, V54-58                                   | 8.8           | *3.9             | 9.5                | 5.5         | 7.6         | 11.9               | 5.9   | 10.0   | 9.7   | *2.9  |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Age's age at time of interview.

<sup>2</sup>Other race not shown because diagnoses estimates do not meet standard of reliability.

<sup>3</sup>Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

<sup>4</sup>For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

NOTE: Percents are based on the unrounded numbers.

**Table 36. Number of nursing home residents by primary diagnosis at time of interview by age, sex, and race: United States, 2004**

| Diagnosis and ICD–9–CM code <sup>1</sup>   | Age <sup>1</sup> |                |                   |             |             |                   | Sex     |           | Race <sup>2</sup> |         |
|--|------------------|----------------|-------------------|-------------|-------------|-------------------|---------|-----------|-------------------|---------|
|  | All residents    | Under 65 years | 65 years and over |             |             |                   |         |           |                   |         |
|  |                  |                | Total             | 65–74 years | 75–84 years | 85 years and over | Male    | Female    | White             | Black   |
| All residents. . . . .   | 1,492,200        | 174,900        | 1,317,300         | 174,100     | 468,700     | 674,500           | 430,500 | 1,061,700 | 1,276,000         | 186,100 |
| Infectious and parasitic diseases . . . . . .001–139   | 8,400            | *              | *5,400            | *           | *           | *                 | *       | *5,500    | *7,100            | *       |
| Neoplasms . . . . . .140–239   | 33,800           | *4,600         | 29,200            | *6,000      | 11,500      | 11,600            | 12,600  | 21,100    | 29,200            | *       |
| Malignant neoplasms. . . . . .140–208, 230–234   | 29,700           | *3,600         | 26,100            | *4,900      | 10,600      | 10,600            | 12,000  | 17,700    | 25,800            | *       |
| Endocrine, nutritional, and metabolic diseases and immunity disorders . .240–279                             | 109,900          | 13,300         | 96,500            | 18,600      | 38,600      | 39,400            | 30,600  | 79,300    | 87,900            | 19,700  |
| Diabetes mellitus . . . . . .250   | 87,600           | 10,900         | 76,700            | 16,600      | 32,300      | 27,800            | 26,700  | 60,900    | 67,900            | 17,600  |
| Diseases of the blood and blood-forming groups. . . . . .280–289   | 11,400           | *              | 10,500            | *           | *           | *6,000            | *4,000  | 7,500     | 10,400            | *       |
| Anemias . . . . . .280–285   | 11,000           | *              | 10,100            | *           | *           | *5,900            | *4,000  | 7,000     | 9,900             | *       |
| Mental disorders . . . . . .290–319  | 327,100          | 36,500         | 290,600           | 34,900      | 96,700      | 159,000           | 87,400  | 239,700   | 286,500           | 35,700  |
| Senile dementia or organic brain syndrome . . . . . .290,310   | 28,000           | *              | 25,700            | *           | *5,600      | 17,200            | *6,800  | 21,300    | 24,300            | *       |
| Mental retardation . . . . . .317–319  | 11,400           | *4,900         | 6,500             | *           | *           | *                 | *5,400  | 6,000     | 10,000            | *       |
| Other mental disorders . . . . . .291–309, 311–316   | 287,700          | 29,200         | 258,500           | 29,600      | 87,900      | 141,000           | 75,200  | 212,500   | 252,200           | 31,300  |
| Diseases of the nervous system and sense organs . . . . . .320–389   | 246,200          | 32,100         | 214,100           | 24,400      | 85,300      | 104,500           | 70,200  | 176,000   | 223,300           | 19,500  |
| Alzheimers disease . . . . . .331.0  | 156,000          | *              | 153,700           | 11,300      | 61,500      | 80,900            | 31,900  | 124,100   | 144,200           | 10,500  |
| Parkinsons disease . . . . . .332  | 34,700           | *              | 33,300            | *5,000      | 14,300      | 14,000            | 14,200  | 20,500    | 33,700            | *       |
| Multiple sclerosis . . . . . .340  | 13,200           | 8,600          | *4,600            | *3,500      | *           | *                 | *3,900  | 9,300     | 11,900            | *       |
| Paralytic syndromes . . . . . .342–344   | 23,100           | 12,400         | 10,600            | *2,900      | *4,600      | *                 | 12,000  | 11,000    | 17,100            | *4,600  |
| Other diseases of the nervous system and sense organs . . . . . .320–330, 331.1–331.9, 333–337, 341, 345–389 | 19,200           | 7,400          | 11,800            | *           | *4,100      | *6,000            | 8,200   | 11,100    | 16,400            | *       |
| Diseases of the circulatory system . . . . . .390–459  | 373,000          | 27,600         | 345,400           | 39,800      | 116,800     | 188,800           | 104,800 | 268,200   | 307,200           | 58,900  |
| Essential hypertension . . . . . .401  | 88,800           | *5,900         | 83,000            | 9,600       | 25,800      | 47,600            | 23,800  | 65,100    | 69,500            | 18,600  |
| Heart disease . . . . . .391–392.0, 393–398, 402, 404, 410–416, 420–429                                      | 141,700          | *4,900         | 136,800           | 9,600       | 42,800      | 84,500            | 34,000  | 107,700   | 124,200           | 15,400  |
| Coronary atherosclerosis . . . . . .414.0  | 9,700            | *              | 9,300             | *           | *           | *5,600            | *       | 8,000     | 7,900             | *       |
| Cardiac dysrhythmias . . . . . .427  | 23,800           | *              | 23,800            | *           | 7,200       | 15,000            | *6,100  | 17,700    | 21,100            | *       |
| Congestive heart failure . . . . . .428.0  | 70,000           | *              | 68,200            | *5,200      | 19,800      | 43,300            | 13,800  | 56,200    | 61,400            | *7,900  |
| Other heart disease . . . . . .391–392.0, 393–398, 415–416, 420–426, 428.1–429                               | 11,700           | *              | 10,600            | *           | *4,100      | 6,400             | *       | 9,500     | 10,800            | *       |
| Acute, but ill-defined, cerebrovascular disease. . . . . .436  | 72,100           | 8,000          | 64,100            | 11,600      | 22,900      | 29,600            | 23,000  | 49,100    | 57,500            | 12,700  |
| Other diseases of the circulatory system . . .390, 392.9, 403, 405, 417, 440–459                             | 21,100           | *              | 19,200            | *           | 7,600       | 9,800             | *6,100  | 15,000    | 16,500            | *4,200  |
| Diseases of the respiratory system . . . . . .460–519  | 74,200           | 7,700          | 66,400            | 11,300      | 26,100      | 29,000            | 22,800  | 51,400    | 66,200            | *6,500  |
| Pneumonia, all forms . . . . . .480–486  | 10,300           | *              | 9,600             | *           | *           | *6,100            | *3,600  | 6,600     | 9,100             | *       |
| Chronic obstructive pulmonary disease and allied conditions . . . . . .490–496                               | 53,000           | *3,800         | 49,300            | 8,900       | 20,900      | 19,500            | 15,400  | 37,600    | 48,300            | *3,800  |
| Other diseases of the respiratory system . . . . . .460–478, 487, 500–519                                    | 10,800           | *3,200         | 7,600             | *           | *3,200      | *3,400            | *3,700  | 7,100     | 8,800             | *       |
| Diseases of the digestive system . . . . . .520–579  | 29,800           | *4,700         | 25,100            | *4,100      | 9,500       | 11,500            | 10,600  | 19,200    | 23,100            | *5,300  |
| Diseases of the genitourinary system. . . . . .580–629   | 36,800           | 7,900          | 28,900            | *7,200      | 10,700      | 11,000            | 16,500  | 20,200    | 29,400            | *6,100  |
| Urinary tract infection . . . . . .580–583, 590, 595, 597, 599.0   | 9,900            | *              | 8,600             | *           | *           | *4,500            | *       | 6,800     | 8,800             | *       |
| Diseases of the skin and subcutaneous tissue . . . . . .680–709  | 14,900           | *2,600         | 12,300            | *           | *5,200      | *5,700            | *5,300  | 9,600     | 12,600            | *       |
| Decubitus ulcer. . . . . .707.0  | *5,100           | *              | *4,300            | *           | *           | *                 | *       | *3,400    | *3,900            | *       |
| Diseases of the musculoskeletal system and connective tissue. . . . . .710–739                               | 77,600           | *5,000         | 72,600            | 7,200       | 22,000      | 43,400            | 14,800  | 62,800    | 68,600            | *7,600  |
| Rheumatoid arthritis, except spine . . . . . .714  | *6,100           | *              | *5,300            | *           | *           | *                 | *       | *4,800    | *5,000            | *       |
| Osteoarthritis and allied disorders, except spine. . . . . .715  | 26,800           | *              | 25,900            | *           | *5,900      | 17,500            | *4,200  | 22,600    | 23,600            | *       |
| Other arthropathies and related disorders . . . . . .710–713, 716–719  | 13,300           | *              | 12,400            | *           | *4,100      | 6,500             | *3,400  | 9,900     | 11,600            | *       |
| Osteoporosis . . . . . .733.0  | 15,100           | *              | 14,600            | *           | *3,300      | 10,300            | *       | 14,800    | 13,900            | *       |
| Symptoms, signs, and ill-defined conditions. . . . . .780–799  | 63,500           | 11,900         | 51,600            | 9,800       | 16,900      | 24,900            | 18,800  | 44,700    | 50,200            | 10,200  |
| Injury and poisoning <sup>4</sup> . . . . . .800–999   | 54,000           | 11,100         | 42,900            | *3,500      | 13,900      | 25,500            | 17,000  | 36,900    | 49,300            | *3,200  |
| Supplementary classification <sup>4</sup> . . . . . .V01–V82   | 15,900           | *              | 13,500            | *           | 5,200       | 6,300             | *5,800  | 10,100    | 13,100            | *       |
| Posthospital aftercare . . . . . .V42–46, V52, V53.3–V53.7,V54–58  | 8,700            | *              | 7,900             | *           | *3,200      | *3,800            | *2,400  | 6,300     | 7,800             | *       |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Age at time of interview.

<sup>2</sup>Other race not shown because diagnoses estimates do not meet standard of reliability.

<sup>3</sup>Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

<sup>4</sup>For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

NOTE: Numbers may not add to totals because of rounding.

**Table 37. Percent distribution of nursing home residents by primary diagnosis at time of interview by age, sex, and race: United States, 2004**

| Diagnosis and ICD-9-CM code <sup>1</sup>   | Age <sup>1</sup> |                |                   |             |             |                   | Sex   |        | Race  |       |
|--|------------------|----------------|-------------------|-------------|-------------|-------------------|-------|--------|-------|-------|
|  | All residents    | Under 65 years | 65 years and over |             |             |                   | Male  | Female | White | Black |
|  |                  |                | Total             | 65-74 years | 75-84 years | 85 years and over |       |        |       |       |
| All residents . . . . .  | 100.0            | 100.0          | 100.0             | 100.0       | 100.0       | 100.0             | 100.0 | 100.0  | 100.0 | 100.0 |
| Infectious and parasitic diseases . . . . . .001-139   | 0.6              | *              | *0.4              | *           | *           | *                 | *     | *0.5   | *0.6  | *     |
| Neoplasms . . . . . .140-239   | 2.3              | *2.6           | 2.2               | *3.4        | 2.5         | 1.7               | 2.9   | 2.0    | 2.3   | *     |
| Malignant neoplasms . . . . . .140-208, 230-234  | 2.0              | *2.1           | 2.0               | *2.8        | 2.3         | 1.6               | 2.8   | 1.7    | 2.0   | *     |
| Endocrine, nutritional, and metabolic diseases and immunity disorders . .240-279                       | 7.4              | 7.6            | 7.3               | 10.7        | 8.2         | 5.8               | 7.1   | 7.5    | 6.9   | 10.6  |
| Diabetes mellitus . . . . . .250   | 5.9              | 6.2            | 5.8               | 9.5         | 6.9         | 4.1               | 6.2   | 5.7    | 5.3   | 9.4   |
| Diseases of the blood and blood-forming groups . . . . .280-289  | 0.8              | *              | 0.8               | *           | *           | *0.9              | *0.9  | 0.7    | 0.8   | *     |
| Anemias . . . . . .280-285   | 0.7              | *              | 0.8               | *           | *           | *0.9              | *0.9  | 0.7    | 0.8   | *     |
| Mental disorders . . . . . .290-319  | 21.9             | 20.9           | 22.1              | 20.0        | 20.6        | 23.6              | 20.3  | 22.6   | 22.5  | 19.2  |
| Senile dementia or organic brain syndrome . . . . .290,310   | 1.9              | *              | 1.9               | *           | *1.2        | 2.5               | *1.6  | 2.0    | 1.9   | *     |
| Mental retardation . . . . . .317-319  | 0.8              | *2.8           | 0.5               | *           | *           | *                 | *1.3  | 0.6    | 0.8   | *     |
| Other mental disorders . . . . .291-309, 311-316   | 19.3             | 16.7           | 19.6              | 17.0        | 18.7        | 20.9              | 17.5  | 20.0   | 19.8  | 16.8  |
| Diseases of the nervous system and sense organs . . . . .320-389                                       | 16.5             | 18.4           | 16.3              | 14.0        | 18.2        | 15.5              | 16.3  | 16.6   | 17.5  | 10.5  |
| Alzheimer's disease . . . . . .331.0   | 10.5             | *              | 11.7              | 6.5         | 13.1        | 12.0              | 7.4   | 11.7   | 11.3  | 5.6   |
| Parkinson's disease . . . . . .332   | 2.3              | *              | 2.5               | *2.9        | 3.1         | 2.1               | 3.3   | 1.9    | 2.6   | *     |
| Multiple sclerosis . . . . . .340  | 0.9              | 4.9            | *0.4              | *2.0        | *           | *                 | *0.9  | 0.9    | 0.9   | *     |
| Paralytic syndromes . . . . . .342-344   | 1.5              | 7.1            | 0.8               | *1.7        | *1.0        | *                 | 2.8   | 1.0    | 1.3   | *2.5  |
| Other diseases of the nervous system and sense organs . . .320-330, 331.1-331.9, 333-337, 341, 345-389 | 1.3              | 4.2            | 0.9               | *           | *0.9        | *0.9              | 1.9   | 1.0    | 1.3   | *     |
| Diseases of the circulatory system . . . . . .390-459  | 25.0             | 15.8           | 26.2              | 22.9        | 24.9        | 28.0              | 24.3  | 25.3   | 24.1  | 31.6  |
| Essential hypertension . . . . . .401  | 6.0              | *3.4           | 6.3               | 5.5         | 5.5         | 7.0               | 5.5   | 6.1    | 5.4   | 10.0  |
| Heart disease . . . . . .391-392.0, 393-398, 402, 404, 410-416, 420-429                                | 9.5              | *2.8           | 10.4              | 5.5         | 9.1         | 12.5              | 7.9   | 10.1   | 9.7   | 8.3   |
| Coronary atherosclerosis . . . . . .414.0  | 0.7              | *              | 0.7               | *           | *           | *0.8              | *     | 0.8    | 0.6   | *     |
| Cardiac dysrhythmias . . . . . .427  | 1.6              | *              | 1.8               | *           | 1.5         | 2.2               | *1.4  | 1.7    | 1.7   | *     |
| Congestive heart failure . . . . . .428.0  | 4.7              | *              | 5.2               | *3.0        | 4.2         | 6.4               | 3.2   | 5.3    | 4.8   | *4.2  |
| Other heart disease . . . . .391-392.0, 393-398, 415-416, 420-426, 428.1-429                           | 0.8              | *              | 0.8               | *           | *0.9        | 0.9               | *     | 0.9    | 0.8   | *     |
| Acute, but ill-defined, cerebrovascular disease . . . . .436   | 4.8              | 4.6            | 4.9               | 6.7         | 4.9         | 4.4               | 5.3   | 4.6    | 4.5   | 6.8   |
| Other diseases of the circulatory system . .390, 392.9, 403, 405, 417, 440-459                         | 1.4              | *              | 1.5               | *           | 1.6         | 1.5               | *1.4  | 1.4    | 1.3   | *2.3  |
| Diseases of the respiratory system . . . . . .460-519  | 5.0              | 4.4            | 5.0               | 6.5         | 5.6         | 4.3               | 5.3   | 4.8    | 5.2   | *3.5  |
| Pneumonia, all forms . . . . . .480-486  | 0.7              | *              | 0.7               | *           | *           | *0.9              | *0.8  | 0.6    | 0.7   | *     |
| Chronic obstructive pulmonary disease and allied conditions . . . . .490-496                           | 3.6              | *2.2           | 3.7               | 5.1         | 4.5         | 2.9               | 3.6   | 3.5    | 3.8   | *2.1  |
| Other diseases of the respiratory system . . . . .460-478, 487, 500-519                                | 0.7              | *1.8           | 0.6               | *           | *0.7        | *0.5              | *0.9  | 0.7    | 0.7   | *     |
| Diseases of the digestive system . . . . . .520-579  | 2.0              | *2.7           | 1.9               | *2.4        | 2.0         | 1.7               | 2.5   | 1.8    | 1.8   | *2.9  |
| Diseases of the genitourinary system . . . . . .580-629  | 2.5              | 4.5            | 2.2               | *4.1        | 2.3         | 1.6               | 3.8   | 1.9    | 2.3   | *3.3  |
| Urinary tract infection . . . . . .580-583, 590, 595, 597, 599.0                                       | 0.7              | *              | 0.7               | *           | *           | *0.7              | *     | 0.6    | 0.7   | *     |
| Diseases of the skin and subcutaneous tissue . . . . .680-709  | 1.0              | *1.5           | 0.9               | *           | *1.1        | *0.8              | *1.2  | 0.9    | 1.0   | *     |
| Decubitus ulcer . . . . . .707.0   | *0.3             | *              | *0.3              | *           | *           | *                 | *     | *0.3   | *0.3  | *     |
| Diseases of the musculoskeletal system and connective tissue . . . . .710-739                          | 5.2              | *2.9           | 5.5               | 4.1         | 4.7         | 6.4               | 3.4   | 5.9    | 5.4   | *4.1  |
| Rheumatoid arthritis, except spine . . . . . .714  | *0.4             | *              | *0.4              | *           | *           | *                 | *     | *0.4   | *0.4  | *     |
| Osteoarthritis and allied disorders, except spine . . . . .715   | 1.8              | *              | 2.0               | *           | *1.3        | 2.6               | *1.0  | 2.1    | 1.9   | *     |
| Other arthropathies and related disorders . . . . .710-713, 716-719                                    | 0.9              | *              | 0.9               | *           | *0.9        | 1.0               | *0.8  | 0.9    | 0.9   | *     |
| Osteoporosis . . . . . .733.0  | 1.0              | *              | 1.1               | *           | *0.7        | 1.5               | *     | 1.4    | 1.1   | *     |
| Symptoms, signs, and ill-defined conditions . . . . .780-799   | 4.3              | 6.8            | 3.9               | 5.6         | 3.6         | 3.7               | 4.4   | 4.2    | 3.9   | 5.5   |
| Injury and poisoning <sup>4</sup> . . . . . .800-999   | 3.6              | 6.3            | 3.3               | *2.0        | 2.9         | 3.8               | 4.0   | 3.5    | 3.9   | *1.7  |
| Supplementary classification <sup>4</sup> . . . . . .V01-V82   | 1.1              | *              | 1.0               | *           | 1.1         | 0.9               | *1.3  | 0.9    | 1.0   | *     |
| Posthospital aftercare . . . . . .V42-46, V52, V53.3-V53.7, V54-58                                     | 0.6              | *              | 0.6               | *           | *0.7        | *0.6              | *0.6  | 0.6    | 0.6   | *     |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Age at time of interview.

<sup>2</sup>Other race not shown because diagnoses estimates do not meet standard of reliability.

<sup>3</sup>Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

<sup>4</sup>For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly defined the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

NOTE: Percents are based on the unrounded numbers.

**Table 38. Number and percent distribution of nursing home residents by length of time since admission (in days) according to primary diagnosis at time of admission and mean and median length of time since admission (in days): United States, 2004**

| Diagnosis and ICD-9-CM code <sup>1</sup>   | Length of time since admission (in days) |        |                    |                              |                             |                 |                      | Mean length of time in days | Median length of time in days |
|--|--|--------|--------------------|------------------------------|-----------------------------|-----------------|----------------------|-----------------------------|-------------------------------|
|  | All residents                            | Total  | Less than 6 months | 6 months to less than 1 year | 1 year to less than 3 years | 3 years or more |                      |                             |                               |
|  | Number                                   |        |                    |                              |                             |                 | Percent distribution |                             |                               |
| Total . . . . .  | 1,492,200                                | 100.0  | 29.8               | 14.3                         | 30.3                        | 25.6            | 835                  | 463                         |                               |
| Infectious and parasitic diseases . . . . .001-139   | 15,400                                   | 100.0  | *45.1              | *                            | *                           | *               | 572                  | 188                         |                               |
| Neoplasms . . . . .140-239   | 30,300                                   | 100.0  | 54.8               | *                            | 20.0                        | *14.4           | 484                  | 142                         |                               |
| Malignant neoplasms. . . . .140-208, 230-234   | 26,700                                   | 100.0  | 56.3               | *                            | 1492200.0                   | *               | 456                  | 140                         |                               |
| Endocrine, nutritional, and metabolic diseases and immunity disorders . .240-279                           | 81,000                                   | 100.0  | 21.6               | 16.4                         | 34.4                        | 27.7            | 810                  | 515                         |                               |
| Diabetes mellitus . . . . .250   | 57,500                                   | 100.0  | 18.6               | 16.5                         | 36.1                        | 28.8            | 819                  | 584                         |                               |
| Diseases of the blood and blood-forming groups. . . . .280-289   | 9,200                                    | 100.0  | *                  | *                            | *31.9                       | *               | 579                  | 308                         |                               |
| Anemias . . . . .280-285   | 8,300                                    | 100.0  | *                  | *                            | *                           | *               | 617                  | 338                         |                               |
| Mental disorders . . . . .290-319  | 244,000                                  | 100.0  | 20.3               | 13.0                         | 32.7                        | 34.0            | 1,143                | 692                         |                               |
| Senile dementia or organic brain syndrome . . . . .290,310   | 21,000                                   | 100.0  | *16.8              | *                            | 36.4                        | 37.2            | 1,290                | 818                         |                               |
| Mental retardation . . . . .317-319  | 10,900                                   | 100.0  | *                  | *                            | *23.1                       | 62.7            | 3,233                | 2,059                       |                               |
| Other mental disorders . . . . .291-309, 311-316   | 212,100                                  | 100.0  | 21.4               | 13.6                         | 32.8                        | 32.2            | 1,021                | 645                         |                               |
| Diseases of the nervous system and sense organs . . . . .320-389   | 208,700                                  | 100.0  | 18.7               | 13.9                         | 33.2                        | 34.3            | 1,094                | 659                         |                               |
| Alzheimers disease . . . . .331.0  | 126,600                                  | 100.0  | 17.9               | 14.3                         | 36.5                        | 31.4            | 944                  | 639                         |                               |
| Parkinsons disease . . . . .332  | 27,700                                   | 100.0  | *18.6              | *18.3                        | 41.0                        | 22.1            | 797                  | 528                         |                               |
| Multiple sclerosis . . . . .340  | 13,900                                   | 100.0  | *                  | *                            | *                           | *49.0           | 1,634                | 996                         |                               |
| Paralytic syndromes . . . . .342-344   | 19,300                                   | 100.0  | *22.5              | *                            | *22.9                       | 45.2            | 1,655                | 814                         |                               |
| Other diseases of the nervous system and sense organs . . . . .320-330, 331.1-331.9, 333-337, 341, 345-389 | 21,200                                   | 100.0  | *18.9              | *                            | *21.7                       | 47.8            | 1,514                | 994                         |                               |
| Diseases of the circulatory system . . . . .390-459  | 353,100                                  | 100.0  | 29.1               | 13.9                         | 31.8                        | 25.2            | 805                  | 481                         |                               |
| Essential hypertension . . . . .401  | 54,600                                   | 100.0  | 21.6               | 14.6                         | 33.2                        | 30.6            | 920                  | 614                         |                               |
| Heart disease . . . . .391-392.0, 393-398, 402, 404, 410-416, 420-429                                      | 123,700                                  | 100.0  | 33.7               | 15.3                         | 30.6                        | 20.4            | 672                  | 377                         |                               |
| Coronary atherosclerosis . . . . .414.0  | *5,300                                   | *100.0 | *                  | *                            | *                           | *               | *790                 | *483                        |                               |
| Cardiac dysrhythmias . . . . .427  | 16,700                                   | 100.0  | *32.3              | *                            | *29.9                       | *               | 611                  | 337                         |                               |
| Congestive heart failure . . . . .428.0  | 63,800                                   | 100.0  | 35.7               | 14.4                         | 32.1                        | 17.9            | 598                  | 359                         |                               |
| Other heart disease . . . . .391-392.0, 393-398, 415-416, 420-426, 428.1-429                               | 12,700                                   | 100.0  | *29.5              | *                            | *31.3                       | *               | 1,045                | 445                         |                               |
| Acute, but ill-defined, cerebrovascular disease. . . . .436  | 86,400                                   | 100.0  | 26.7               | 12.2                         | 32.5                        | 28.6            | 916                  | 578                         |                               |
| Other diseases of the circulatory system . . . . .390, 392.9, 403, 405, 417, 440-459                       | 21,100                                   | 100.0  | 43.6               | *                            | *23.2                       | *20.8           | 645                  | 263                         |                               |
| Diseases of the respiratory system . . . . .460-519  | 100,000                                  | 100.0  | 37.3               | 19.3                         | 26.1                        | 17.3            | 577                  | 282                         |                               |
| Pneumonia, all forms . . . . .480-486  | 38,200                                   | 100.0  | 40.5               | 23.2                         | 23.7                        | *12.6           | 476                  | 227                         |                               |
| Chronic obstructive pulmonary disease and allied conditions . . . . .490-496                               | 42,200                                   | 100.0  | 33.4               | *16.4                        | 30.1                        | 20.1            | 661                  | 365                         |                               |
| Other diseases of the respiratory system . . . . .460-478, 487, 500-519                                    | 19,600                                   | 100.0  | 39.5               | *                            | *22                         | *               | 592                  | 248                         |                               |
| Diseases of the digestive system . . . . .520-579  | 46,300                                   | 100.0  | 36.1               | *13.7                        | 29.6                        | 20.7            | 669                  | 375                         |                               |
| Diseases of the genitourinary system. . . . .580-629   | 51,300                                   | 100.0  | 42.6               | 17.1                         | 26.7                        | *13.7           | 529                  | 255                         |                               |
| Urinary tract infection . . . . .580-583, 590, 595, 597, 599.0   | 25,300                                   | 100.0  | 42.2               | *16.3                        | *23.6                       | *17.9           | 620                  | 253                         |                               |
| Diseases of the skin and subcutaneous tissue . . . . .680-709  | 21,000                                   | 100.0  | 40.7               | *                            | *32.3                       | *               | 562                  | 313                         |                               |
| Decubitus ulcer. . . . .707.0  | *6,500                                   | 100.0  | *                  | *                            | *                           | *               | *599                 | *332                        |                               |
| Diseases of the musculoskeletal system and connective tissue. . . . .710-739                               | 67,200                                   | 100.0  | 34.5               | 10.8                         | 26.4                        | 28.2            | 839                  | 476                         |                               |
| Rheumatoid arthritis, except spine . . . . .714  | *4,500                                   | 100.0  | *                  | *                            | *                           | *               | *1,219               | *744                        |                               |
| Osteoarthritis and allied disorders, except spine . . . . .715   | 19,700                                   | 100.0  | *27.3              | *                            | *31.6                       | *33.5           | 963                  | 689                         |                               |
| Other arthropathies and related disorders . . . . .710-713, 716-719  | 11,800                                   | 100.0  | 42.3               | *                            | *                           | *               | 746                  | 329                         |                               |
| Osteoporosis . . . . .733.0  | 7,300                                    | 100.0  | *                  | *                            | *                           | *               | 1,044                | 836                         |                               |
| Symptoms, signs, and ill-defined conditions. . . . .780-799  | 82,900                                   | 100.0  | 37.2               | 15.8                         | 29.2                        | 17.9            | 659                  | 326                         |                               |
| Injury and poisoning <sup>2</sup> . . . . .800-999   | 19,700                                   | 100.0  | 37.2               | *                            | *22.3                       | *32.3           | 1,132                | 442                         |                               |
| Supplementary classification <sup>2</sup> . . . . .V01-V82   | 142,900                                  | 100.0  | 39.8               | 15.0                         | 27.0                        | 18.2            | 595                  | 295                         |                               |
| Posthospital aftercare . . . . .V42-46, V52, V53.3-V53.7,V54-58  | 132,000                                  | 100.0  | 40.3               | 15.1                         | 26.8                        | 17.7            | 594                  | 288                         |                               |



\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Based on the *International Classification of Diseases, 9th Revision, Clinical Modification*.

<sup>2</sup>For data years 1995–1999 of the National Nursing Home Survey (NNHS), the Injury and Poisoning Chapter of the ICD–9–CM classified fractures in 800 codes as a primary diagnostic condition. Effective October 1999, New Long Term Care coding guidelines were issued by the Cooperating Parties of Coding Clinic for ICD–9–CM. The guidelines clearly define the assignment of the resident's reason for being admitted to LTC facilities. As a result, fractures are now classified in the Supplementary Classification Chapter in V Codes as posthospital aftercare.

NOTES: Numbers may not add to totals because of rounding. Percents and length of service are based on the unrounded numbers.

**Table 39. Number and percent distribution of nursing home residents by number of medications taken and selected resident characteristics: United States, 2004**

| Characteristic                   | Medications <sup>1,2</sup> |                      |                 |                      |                 |                      |                       |                      |
|----------------------------------|----------------------------|----------------------|-----------------|----------------------|-----------------|----------------------|-----------------------|----------------------|
|                                  | All residents              |                      | 1–4 medications |                      | 5–8 medications |                      | 9 or more medications |                      |
|                                  | Number                     | Percent distribution | Number          | Percent distribution | Number          | Percent distribution | Number                | Percent distribution |
| All residents . . . . .          | 1,492,200                  | 100.0                | 195,200         | 13.1                 | 552,900         | 37.1                 | 715,000               | 47.9                 |
| Age <sup>3</sup>                 |                            |                      |                 |                      |                 |                      |                       |                      |
| Under 65 years . . . . .         | 174,900                    | 100.0                | 21,700          | 12.4                 | 63,100          | 36.1                 | 85,100                | 48.7                 |
| 65 years and over . . . . .      | 1,317,300                  | 100.0                | 173,500         | 13.2                 | 489,800         | 37.2                 | 629,900               | 47.8                 |
| 65 to 74 years . . . . .         | 174,100                    | 100.0                | 17,800          | 10.3                 | 61,200          | 35.1                 | 92,500                | 53.1                 |
| 75 to 84 years . . . . .         | 468,700                    | 100.0                | 52,500          | 11.2                 | 163,300         | 34.8                 | 243,500               | 51.9                 |
| 85 years and over . . . . .      | 674,500                    | 100.0                | 103,200         | 15.3                 | 265,300         | 39.3                 | 294,000               | 43.6                 |
| Sex                              |                            |                      |                 |                      |                 |                      |                       |                      |
| Male . . . . .                   | 430,500                    | 100.0                | 56,700          | 13.2                 | 160,200         | 37.2                 | 202,800               | 47.1                 |
| Female . . . . .                 | 1,061,700                  | 100.0                | 138,500         | 13.0                 | 392,700         | 37.0                 | 512,200               | 48.2                 |
| Race                             |                            |                      |                 |                      |                 |                      |                       |                      |
| White . . . . .                  | 1,276,000                  | 100.0                | 167,100         | 13.1                 | 464,700         | 36.4                 | 620,800               | 48.7                 |
| Black . . . . .                  | 186,100                    | 100.0                | 23,100          | 12.4                 | 73,100          | 39.3                 | 84,800                | 45.6                 |
| Other <sup>4</sup> . . . . .     | 30,100                     | 100.0                | *5,000          | *16.5                | 15,100          | 50.3                 | 9,400                 | 31.2                 |
| Hispanic or Latino origin        |                            |                      |                 |                      |                 |                      |                       |                      |
| Hispanic or Latino . . . . .     | 57,200                     | 100.0                | *7,200          | *12.6                | 24,500          | 42.9                 | 24,900                | 43.5                 |
| Not Hispanic or Latino . . . . . | 1,427,400                  | 100.0                | 186,300         | 13.1                 | 526,100         | 36.9                 | 687,100               | 48.1                 |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Medications include only those medicines taken the day before interview. Medications include those prescribed by a physician, over-the-counter drugs, nutritional, herbal, vitamin, and mineral supplements, and unknowns.

<sup>2</sup>Residents with no medications and residents for whom medications are unknown are not shown because estimates do not meet standard of reliability.

<sup>3</sup>Age at time of interview.

<sup>4</sup>Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races. However, only a small number of records had multiple races.

NOTES:

Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.

**Table 40. Number and percent distribution of nursing home residents by pneumococcal vaccination status according to age, sex, and race: United States, 2004**

| Pneumococcal vaccination status       | Age <sup>1</sup> |                   |           |             |             |                   |         |           |           |         |                    |
|---------------------------------------|------------------|-------------------|-----------|-------------|-------------|-------------------|---------|-----------|-----------|---------|--------------------|
|                                       | All residents    | 65 years and over |           |             |             |                   | Sex     |           | Race      |         |                    |
|                                       |                  | Under 65 years    | Total     | 65–74 years | 75–84 years | 85 years and over |         |           |           |         |                    |
|                                       |                  |                   |           |             |             |                   | Male    | Female    | White     | Black   | Other <sup>2</sup> |
| Number                                |                  |                   |           |             |             |                   |         |           |           |         |                    |
| All residents . . . . .               | 1,492,200        | 174,900           | 1,317,300 | 174,100     | 468,700     | 674,500           | 430,500 | 1,061,700 | 1,276,000 | 186,100 | 30,100             |
| Vaccinated . . . . .                  | 678,000          | 66,300            | 611,700   | 72,900      | 208,400     | 330,300           | 182,600 | 495,300   | 599,500   | 63,200  | 15,300             |
| At facility . . . . .                 | 499,700          | 54,900            | 444,900   | 58,000      | 149,200     | 237,700           | 134,300 | 365,400   | 434,100   | 54,300  | 11,400             |
| Before admitted to facility . . . . . | 178,200          | 11,500            | 166,800   | 14,900      | 59,200      | 92,600            | 48,300  | 129,900   | 165,400   | 8,900   | *4,000             |
| Not vaccinated . . . . .              | 549,400          | 74,900            | 474,500   | 68,500      | 175,800     | 230,200           | 168,500 | 380,900   | 461,100   | 79,300  | 9,000              |
| No record . . . . .                   | 131,800          | 19,800            | 112,000   | 16,300      | 41,400      | 54,300            | 39,400  | 92,400    | 105,100   | 23,800  | *                  |
| Medically contraindicated . . . . .   | *4,000           | *                 | *3,400    | *           | *           | *                 | *       | *3,000    | *3,500    | *       | *                  |
| Refused. . . . .                      | 84,000           | 10,700            | 73,300    | 9,900       | 25,600      | 37,800            | 25,200  | 58,900    | 76,900    | *6,700  | *                  |
| Other reason . . . . .                | 76,800           | 10,900            | 65,900    | 9,000       | 26,100      | 30,800            | 26,200  | 50,600    | 65,000    | 11,000  | *                  |
| Unknown reason . . . . .              | 252,800          | 32,900            | 219,900   | 33,100      | 81,600      | 105,200           | 76,800  | 176,000   | 210,600   | 37,400  | *4,800             |
| Unknown if vaccinated . . . . .       | 264,800          | 33,700            | 231,100   | 32,700      | 84,500      | 113,900           | 79,300  | 185,500   | 215,300   | 43,600  | *5,800             |
| Percent distribution                  |                  |                   |           |             |             |                   |         |           |           |         |                    |
| All residents . . . . .               | 100.0            | 100.0             | 100.0     | 100.0       | 100.0       | 100.0             | 100.0   | 100.0     | 100.0     | 100.0   | 100.0              |
| Vaccinated . . . . .                  | 45.4             | 37.9              | 46.4      | 41.9        | 44.5        | 49.0              | 42.4    | 46.7      | 47.0      | 34.0    | 50.7               |
| At facility . . . . .                 | 33.5             | 31.3              | 33.8      | 33.3        | 31.8        | 35.3              | 31.2    | 34.4      | 34.0      | 29.2    | 37.8               |
| Before admitted to facility . . . . . | 11.9             | 6.5               | 12.7      | 8.6         | 12.6        | 13.7              | 11.2    | 12.2      | 13.0      | 4.8     | *12.9              |
| Not vaccinated . . . . .              | 36.8             | 42.8              | 36.0      | 39.3        | 37.5        | 34.1              | 39.1    | 35.9      | 36.1      | 42.6    | 29.9               |
| No record . . . . .                   | 8.8              | 11.3              | 8.5       | 9.3         | 8.8         | 8.0               | 9.2     | 8.7       | 8.2       | 12.8    | *                  |
| Medically contraindicated . . . . .   | *0.3             | *                 | *0.3      | *           | *           | *                 | *       | *0.3      | *0.3      | *       | *                  |
| Refused. . . . .                      | 5.6              | 6.1               | 5.6       | 5.7         | 5.5         | 5.6               | 5.8     | 5.5       | 6.0       | *3.6    | *                  |
| Other reason . . . . .                | 5.1              | 6.2               | 5.0       | 5.2         | 5.6         | 4.6               | 6.1     | 4.8       | 5.1       | 5.9     | *                  |
| Unknown reason . . . . .              | 16.9             | 18.8              | 16.7      | 19.0        | 17.4        | 15.6              | 17.8    | 16.6      | 16.5      | 20.1    | *16.0              |
| Unknown if vaccinated . . . . .       | 17.7             | 19.3              | 17.5      | 18.8        | 18.1        | 16.9              | 18.4    | 17.5      | 16.9      | 23.5    | *19.4              |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Age at time of interview.

<sup>2</sup>Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.

NOTES: Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.

**Table 41. Number and percent distribution of nursing home residents by influenza vaccination status according to age, sex, and race: United States, 2004**

| Influenza vaccination status                       | Age <sup>1</sup> |                |                   |             |             |                      | Sex     |           | Race      |         |                    |
|--|------------------|----------------|-------------------|-------------|-------------|----------------------|---------|-----------|-----------|---------|--------------------|
|  | All residents    | Under 65 years | 65 years and over |             |             |                      |         |           |           |         |                    |
|  |                  |                | Total             | 65–74 years | 75–84 years | 85 years and over    | Male    | Female    | White     | Black   | Other <sup>2</sup> |
|  |                  |                |                   |             |             | Number               |         |           |           |         |                    |
| All residents . . . . .                            | 1,492,200        | 174,900        | 1,317,300         | 174,100     | 468,700     | 674,500              | 430,500 | 1,061,700 | 1,276,000 | 186,100 | 30,100             |
| Vaccinated . . . . .                               | 939,100          | 99,800         | 839,300           | 102,500     | 290,900     | 445,900              | 255,300 | 683,700   | 816,400   | 102,400 | 20,200             |
| At facility . . . . .                              | 871,300          | 95,500         | 775,900           | 94,700      | 265,900     | 415,300              | 235,200 | 636,100   | 754,900   | 98,300  | 18,100             |
| Before admitted to facility . . . . .              | 67,700           | *4,300         | 63,400            | 7,800       | 25,000      | 30,600               | 20,100  | 47,600    | 61,500    | *4,200  | *                  |
| Not vaccinated . . . . .                           | 444,900          | 61,300         | 383,600           | 56,900      | 145,300     | 181,400              | 140,700 | 304,200   | 373,600   | 63,500  | 7,800              |
| No record . . . . .                                | 40,000           | *5,400         | 34,600            | *6,700      | 12,600      | 15,300               | 12,300  | 27,700    | 33,100    | *6,600  | *                  |
| Medically contraindicated . . . . .                | 7,500            | *              | 7,500             | *           | *           | *4,500               | *       | 6,400     | 6,800     | *       | *                  |
| Refused . . . . .                                  | 79,400           | 10,900         | 68,500            | 10,200      | 24,300      | 34,100               | 23,600  | 55,800    | 69,500    | 8,800   | *                  |
| Other reason . . . . .                             | 66,400           | 9,700          | 56,700            | 8,800       | 19,800      | 28,000               | 22,900  | 43,500    | 51,500    | 13,300  | *                  |
| Unknown reason. . . . .                            | 80,400           | 12,800         | 67,600            | 11,200      | 23,300      | 33,100               | 24,000  | 56,400    | 62,600    | 16,100  | *                  |
| Not in facility during recent flu season . . . . . | 171,200          | 22,500         | 148,700           | 19,500      | 62,800      | 66,400               | 56,800  | 114,400   | 150,200   | 17,900  | *3,100             |
| Unknown if vaccinated . . . . .                    | 108,200          | 13,800         | 94,400            | 14,700      | 32,500      | 47,200               | 34,500  | 73,800    | 85,900    | 20,200  | *                  |
|  |                  |                |                   |             |             | Percent distribution |         |           |           |         |                    |
| All residents . . . . .                            | 100.0            | 100.0          | 100.0             | 100.0       | 100.0       | 100.0                | 100.0   | 100.0     | 100.0     | 100.0   | 100.0              |
| Vaccinated . . . . .                               | 62.9             | 57.0           | 63.7              | 58.9        | 62.0        | 66.1                 | 59.3    | 64.4      | 64.0      | 55.0    | 67.1               |
| At facility . . . . .                              | 58.4             | 54.5           | 58.9              | 54.4        | 56.7        | 61.6                 | 54.6    | 59.9      | 59.2      | 52.8    | 60.1               |
| Before admitted to facility . . . . .              | 4.5              | *2.5           | 4.8               | 4.5         | 5.3         | 4.5                  | 4.7     | 4.5       | 4.8       | *2.2    | *                  |
| Not vaccinated . . . . .                           | 29.8             | 35.0           | 29.1              | 32.7        | 31.0        | 26.9                 | 32.7    | 28.7      | 29.3      | 34.1    | 26.0               |
| No record . . . . .                                | 2.7              | *3.1           | 2.6               | *3.8        | 2.7         | 2.3                  | 2.9     | 2.6       | 2.6       | *3.5    | *                  |
| Medically contraindicated . . . . .                | 0.5              | *              | 0.6               | *           | *           | *0.7                 | *       | 0.6       | 0.5       | *       | *                  |
| Refused . . . . .                                  | 5.3              | 6.2            | 5.2               | 5.8         | 5.2         | 5.1                  | 5.5     | 5.3       | 5.4       | 4.7     | *                  |
| Other reason . . . . .                             | 4.4              | 5.5            | 4.3               | 5.1         | 4.2         | 4.2                  | 5.3     | 4.1       | 4.0       | 7.2     | *                  |
| Unknown reason. . . . .                            | 5.4              | 7.3            | 5.1               | 6.4         | 5.0         | 4.9                  | 5.6     | 5.3       | 4.9       | 8.6     | *                  |
| Not in facility during recent flu season . . . . . | 11.5             | 12.9           | 11.3              | 11.2        | 13.4        | 9.9                  | 13.2    | 10.8      | 11.8      | 9.6     | *10.3              |
| Unknown if vaccinated . . . . .                    | 7.3              | 8.0            | 7.2               | 8.5         | 7.0         | 7.0                  | 8.0     | 6.9       | 6.7       | 10.9    | *                  |

\* Estimate does not meet standard of reliability or precision because the sample size is less than 30. Estimates accompanied by an asterisk (\*) indicate that the sample size is between 30 and 59, or the sample size is greater than 59, but has a relative standard error of 30 percent or more.

<sup>1</sup>Age at time of interview.

<sup>2</sup>Other race includes Asian, Native Hawaiian or other Pacific Islander, American Indian or Alaska Native, and multiple races. Persons of Hispanic origin may be of any race. Starting with data year 1999, race-specific estimates have been tabulated according to the 1997 Standards for Federal Data on Race and Ethnicity and are not strictly comparable with estimates for earlier years. However, only a small number of records had multiple races.

NOTES: Numbers may not add to totals because of rounding. Percents are based on the unrounded numbers.